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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of 5

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Complete if Known

Application Number	10/714.795
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10/714.795

Filing Date	November 17, 2003
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November 17, 2003

First Named Inventor	Li et al.
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Li et al.

Art Unit	3732
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3732

Examiner Name

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Attorney Docket Number	5853-376
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5853-376

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date _____

Considered

9/5/05

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Attorney Docket Number	5853-376

Sheet 2 of 5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SUN et al., "Time-frequency analysis for plastic landmine detection via forward-looking ground penetrating radar," IEE Proc.-Radar Sonar Navig., 150:253-261, 2003.	
		LI et al., "Target Detection with Synthetic Aperture Radar," IEEE Transactions on Aerospace and Electronic Systems, 32:613-627, 1996.	
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		BUCHENAUER et al., "APERTURE EFFICIENCIES OF IMPULSE RADIATING ANTENNAS," Air Force Research Laboratory/DEHP, 91-108, 1999.	
		STOICA et al., "Robust Capon Beamforming," IEEE Signal Processing Letters, 10:172-175, 2003.	
		YERMAKOV, G., "THE EXACT SOLUTION OF THE PROBLEM OF ULTRA WIDEBAND SIGNALS RADIATION BY A TEM-HORN," DIPED-2002 Proceedings, 42-45.	
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		LI et al., "On Robust Capon Beamforming and Diagonal Loading," IEEE Transactions on Signal Processing, 51:1702-1715, 2003.	
		LI et al., "A Confocal Microwave Imaging Algorithm for Breast Cancer Detection," IEEE Microwave and Wireless Components Letters, 11:130-132, 2001.	

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Sheet	3	of	5
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		FEAR et al., "Confocal microwave imaging for breast tumor detection: application to a hemispherical breast model," IEEE MTT-S Digest, 1759-1762, 2002.	
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		XU et al., "Microwave-induced thermoacoustic tomography using multi-sector scanning," Am. Assoc. Phys. Med., 28:1958-1963, 2001.	
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Attorney Docket Number	5853-376

Sheet	4	of	5
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JMS		FEAR et al., "Enhancing BREAST TUMOR DETECTION with Near-Field Imaging," IEEE Microwave Magazine, 48-56, 2002.	
		NATIONAL ACADEMY OF SCIENCES, "Executive Summary," Mammography and Beyond: Developing Technologies for the Early Detection of Breast Cancer, http://www.nap.edu , 2003.	
		NEWMAN, M., "Developing Technologies for Early Detection of Breast Cancer," A Public Workshop Summary, National Academy of Sciences, 2000.	
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		CHAN et al., "MICROWAVE-INDUCED THERMOELASTIC TISSUE IMAGING," Biomagnetic and Microwave Imaging, IEEE Engineering in Medicine & Biology Society 10th Annual International Conference, 1988.	

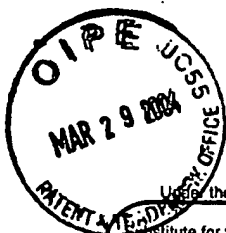
Examiner Signature	<i>Juliana M. Sullivan</i>	Date Considered	9/5/05
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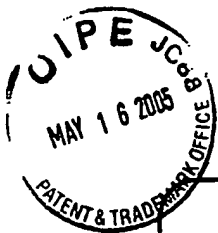
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
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		HAGNESS et al., "Two-Dimensional FDTD Analysis of a Pulsed Microwave Confocal System for Breast Cancer Detection: Fixed-Focus and Antenna-Array Sensors," IEEE Transactions on Biomedical Engineering, 45:1470-1479, 1998.	
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		GABRIEL et al., "The dielectric properties of Biological tissues: II. Measurements in the frequency range 10Hz to 20GHz," Phys. Med. Biol., 41:2251-2269, 1996.	

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		Number-Kind Code ² (if known)			
MW		US- 6,104,942	08/15/2000	Kruger et al.	
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<i>MS</i>		DAVIS, S.K. ET AL., "Frequency-domain penalized least-squares beamformer design for early detection of breast cancer via microwave imaging," 2002 IEEE Sensor Array & Multichannel Signal Processing Workshop Proceedings, Piscataway, N.J., pp. 120-124 (August 2002)	

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